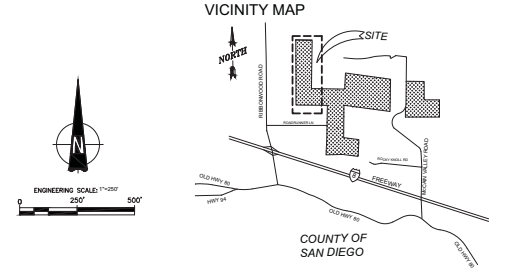
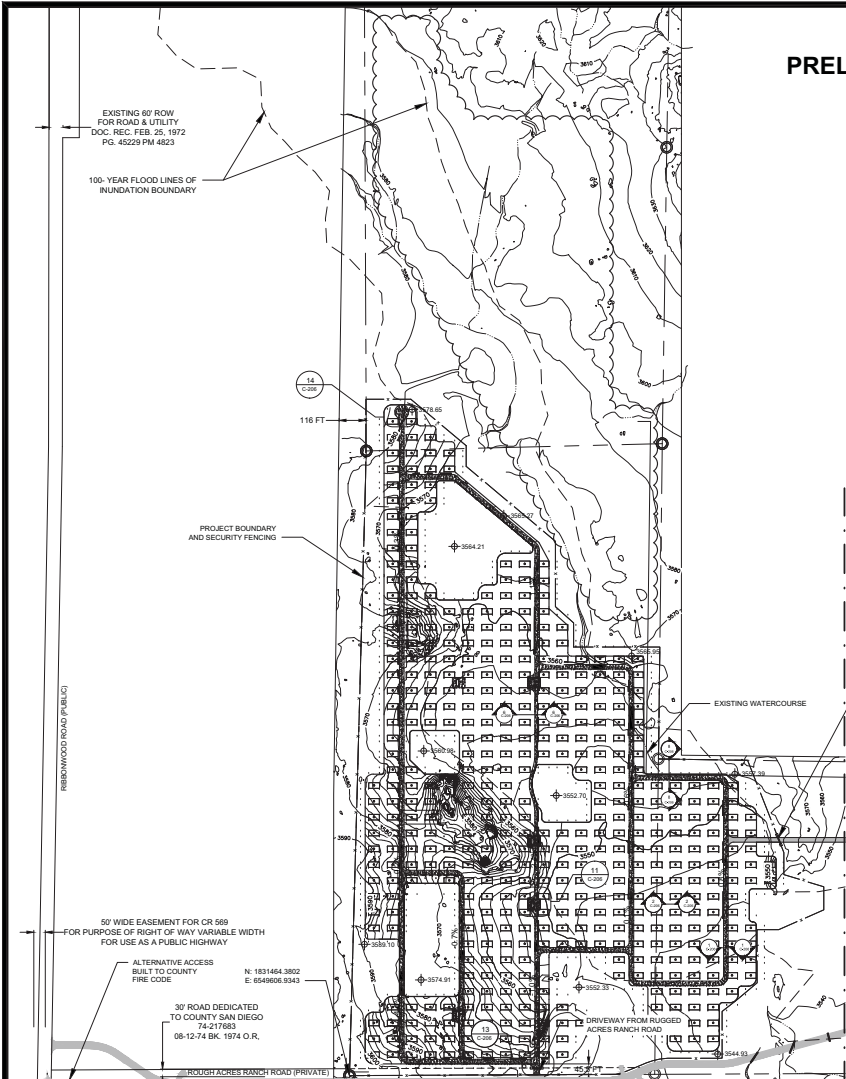


# PRELIMINARY GRADING PLAN



**GRADING LEGEND**

PROPERTY LINE AND SECURITY FENCING	— X — X —
EXISTING WATERCOURSE	———
EXISTING CONTOUR	~~~~~ 275
PROPOSED CONTOUR	~~~~~ 275
EXTENT OF GRADING	—————
GATE	□
SURFACING FOR PRIMARY AND SECONDARY ACCESS ROAD	

VISTA OAKS EARTHWORK	
BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	2,177,251
AREA ACRES	77.5
CUT CU. YD.	4650
FILL CU. YD.	4650
NET CU. YD.	0

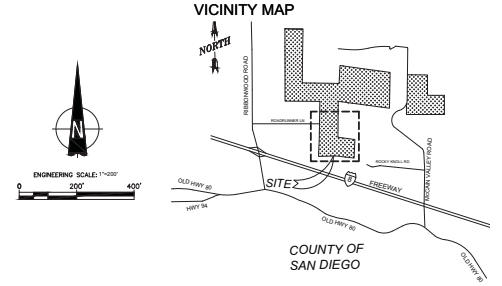
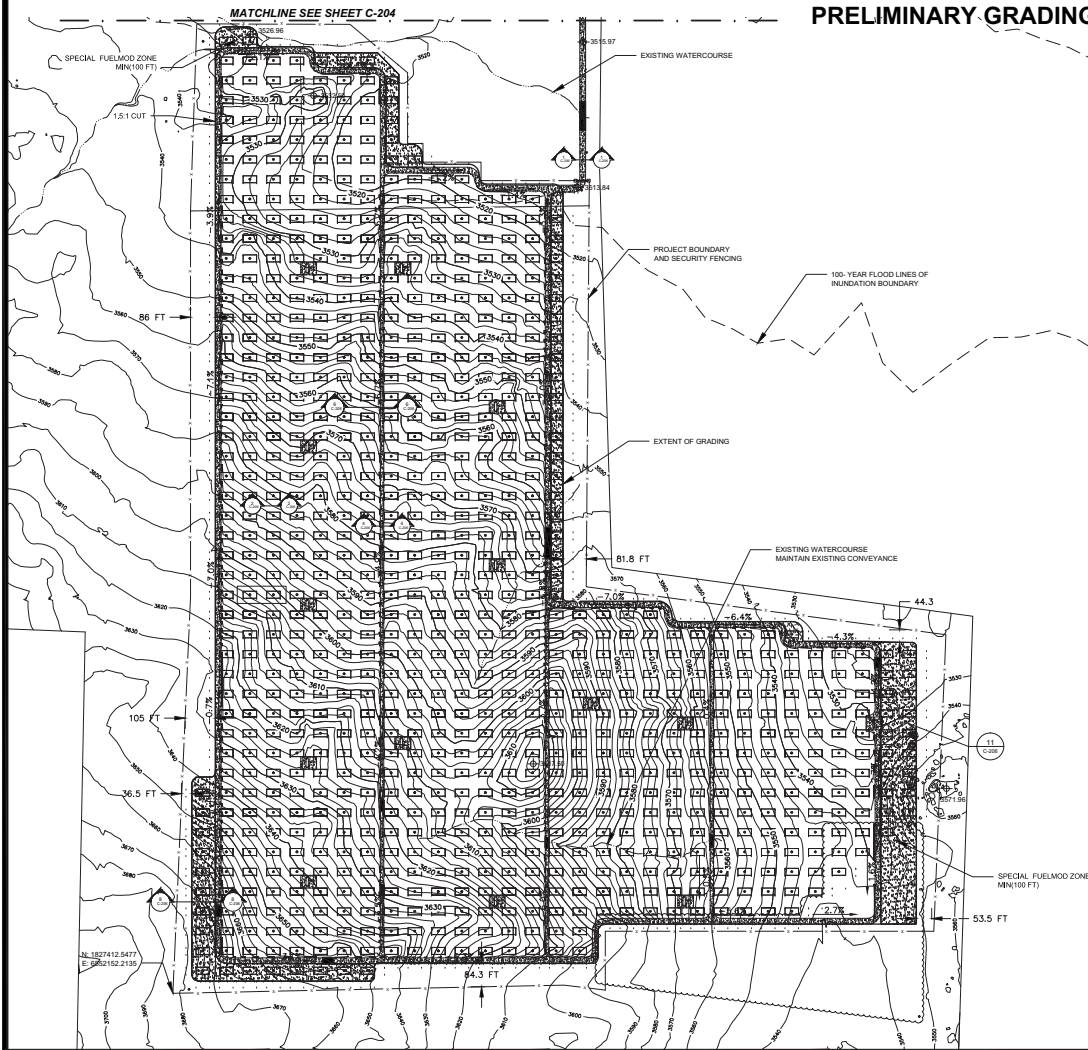
MATCHLINE SEE SHEET C-204

MATCHLINE SEE SHEET C-203

<b>CLIENT</b>  Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92137-9178	<b>PROPERTY OWNER INFORMATION</b> NAME: Vista Oaks Business Park, John Gibson ADDRESS: 1000 Pioneer Way, El Cajon, CA 92020 TELEPHONE NUMBER: (619) 440-7424 SITE A.P.N. NUMBER: 611-090-04, 611-091-03, 611-090-02, 611-090-04 ADJACENT A.P.N. NUMBERS: 611-090-04, 611-090-16, 611-060-07, 611-090-14, 611-090-11, 611-091-17 611-060-03, 611-060-04, 611-090-05, 611-090-19, 611-090-20, 611-090-20	<b>GRADING ON ADJACENT PARCELS</b> LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED. APN(s): _____	<b>DISTURBED AREA CALC'S</b> PAD + SLOPES: 390,842 SF DRIVEWAY: 1,424 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: 2,784,885 SF TOTAL: 3,177,251 SF IF > 1 AC, PROVIDE VOID# : _____	<b>PLAN CHECK/PERMITS</b> BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____ <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. NAME: Savas E. Kolarikaya DATE: _____ RCE NO.: C 43628 EXPIRES: 12/31/14	<b>PRIVATE CONTRACT</b> COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY GRADING PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER: C-202 REV: 3 SHEET: 3 OF SHEETS: 7 APPROVED: _____ DIRECTOR OF PLANNING AND LAND USE DATE: _____ GRADING PERMIT NUMBER: _____
					<b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____
					<b>PRELIMINARY</b>

FILE NAME: C:\USERS\ORZOC\BENTOP\SOITEC\SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\DRAWINGS\WORKING\GRADING\2012\CAD\C-201 GRADING\_REV.DWG PLOT DATE: 12/30/14 2:48:38 PM LAST SAVED BY: ORZOC200

# PRELIMINARY GRADING PLAN



**GRADING LEGEND**

- PROPERTY LINE AND SECURITY FENCING: — X — X —
- EXISTING WATERCOURSE: ————
- EXISTING CONTOUR: ———— 2'15
- PROPOSED CONTOUR: ———— 2'15
- EXTENT OF GRADING: ————
- GATE: ————
- SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS: [Symbol]

FRANKIE THODOEAU EARTHWORK	
BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SOL. FT.	4,396.073
AREA, cu yd.	133.0
CUT, Cu. Yd.	378.0
FILL, Cu. Yd.	378.0
NET, Cu. Yd.	0

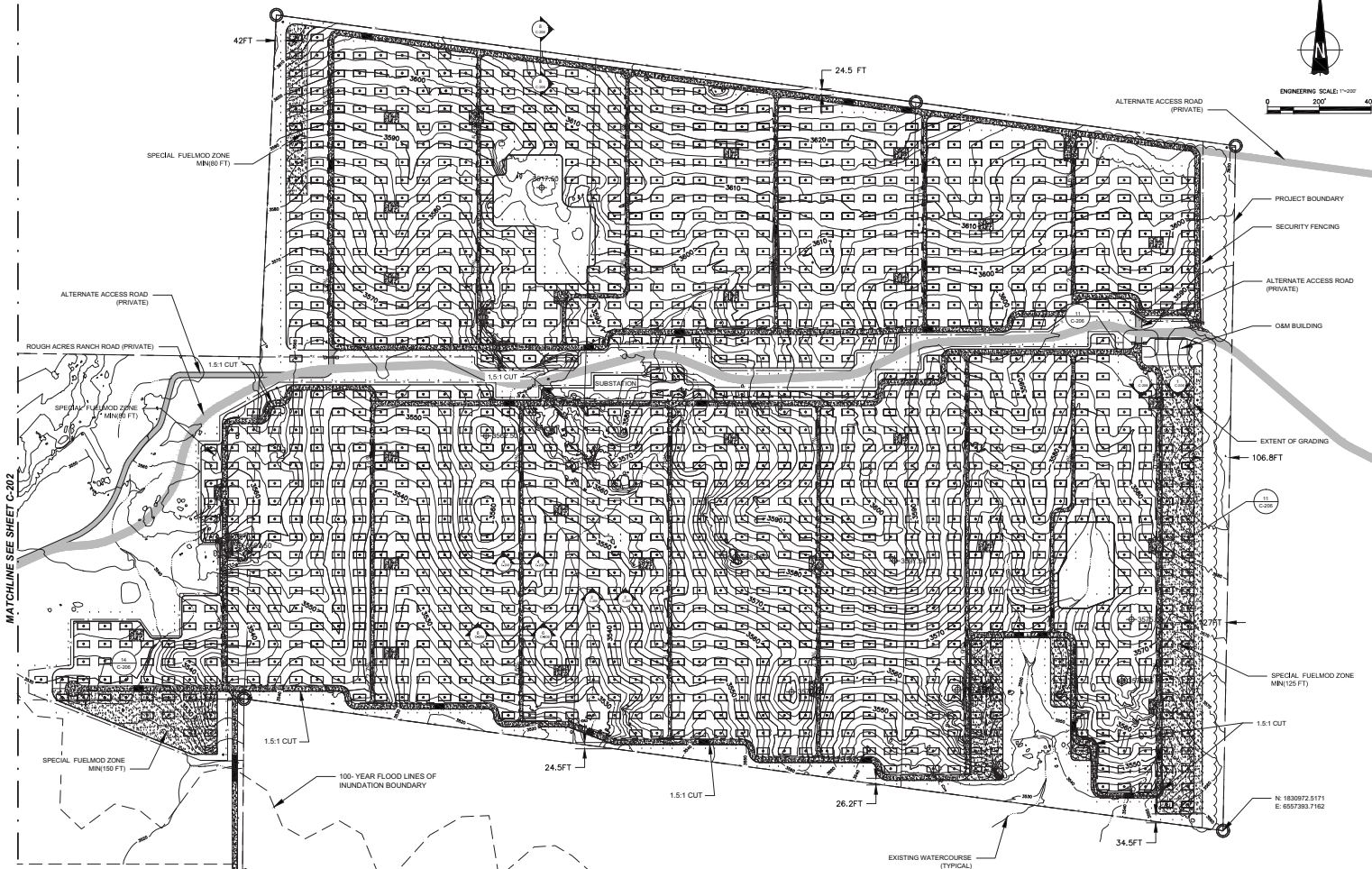
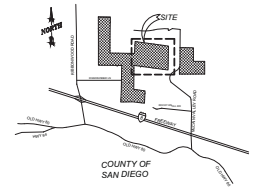
<b>CLIENT</b>  Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92130-9178	<b>PROPERTY OWNER INFORMATION</b> NAME: Frankie Thibodeau ADDRESS: 39990 Roadrunner Ln, Boulevard, CA 91905 TELEPHONE NUMBER: (619) 766-9105 (24-HOUR CONTACT NUMBERS) SITE A.P.N. NUMBER: 611-091-07, 612-030-19, 612-030-01 ADJACENT A.P.N. NUMBERS: 611-091-07, 612-030-02, 612-030-21, 612-030-13, 611-100-006, 611-091-03, 611-091-02	<b>GRADING ON ADJACENT PARCELS</b> LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED. APN(S): _____ <b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____	<b>DISTURBED AREA CALCCS</b> PAD + SLOPES: 381.751 SF DRIVEWAY: _____ SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: 5,414.428 SF TOTAL: 5,796.179 SF IF > 1 AC, PROVIDE VOID#: _____	<b>PLAN CHECK/PERMITS</b> BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____ <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. Savas E. Kotarkaya DATE: _____ RCE NO.: C 43828 EXPIRES: 12/31/14 TELEPHONE NUMBER: (610) 260-6544	<b>PRIVATE CONTRACT</b> COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY GRADING PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER: C-203 REV: 3 SHEET: 4 OF SHEETS: 7 APPROVED: _____ DIRECTOR OF PLANNING AND LAND USE GRADING PERMIT NUMBER: _____ DATE: _____

1-76

PRELIMINARY

# PRELIMINARY GRADING PLAN

## VICINITY MAP



### GRADING LEGEND

- SECURITY FENCING: — X — X —
- EXISTING WATERCOURSE: ————
- EXISTING CONTOUR: ————
- PROPOSED CONTOUR: ————
- EXTENT OF GRADING: ————
- GATE: □=O
- SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS: [Symbol]

HARMONY GROVE EARTHWORK	
BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	1,596,716
AREA ACRES	35.92
CUT CU. YD.	14,106
FILL CU. YD.	14,106
NET CU. YD.	0

FILE NAME: C:\USERS\ORZOD\BENTOP\SOITEC\SOLAR PROJECTS\GRADING AND DRAINAGE\DRAWINGS\WORKING GRADING\02-20-CA\02-20-01-GRADING\_RE\10.DWG LAST SAVED BY: ORZOD000 PLOT DATE: 12/30/2014 2:51:23 PM

MATCHLINE SEE SHEET C-202

MATCHLINE SEE SHEET C-205

1-77

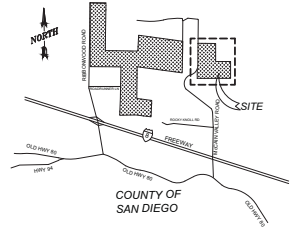
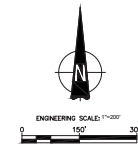
<b>CLIENT</b>  Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92130-9178	<b>PROPERTY OWNER INFORMATION</b> NAME: Harmony Grove Partners John Gibson ADDRESS: 1000 Pioneer Way El Cajon, CA 92020 TELEPHONE NUMBER: (619) 440-7424 (24-HOUR CONTACT NUMBER) SITE A.P.N. NUMBER: 611-100-07 ADJACENT A.P.N. NUMBERS: 611-100-06, 611-091-03, 611-070-03 611-070-01, 611-069-03, 611-099-03, 611-090-04	<b>GRADING ON ADJACENT PARCELS</b> LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED: APN(S): <b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____	<b>DISTURBED AREA CALCS</b> PAD + SLOPES: 837.935 SF DRIVEWAY: 4.056 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: 8,726.789 SF TOTAL: 9,568.780 SF IF > 1 AC, PROVIDE VOID#: _____	<b>PLAN CHECK/PERMITS</b> BUILDING PERMIT _____ PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____ <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. Savas E. Kolarakaya DATE: _____ RCE NO.: C-43628 EXPIRES: 12/31/14 TELEPHONE NUMBER: J5101260-6544	<b>PRIVATE CONTRACT</b> COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY GRADING PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER: C-204 REV: 3 SHEET: 5 OF SHEETS: 7 APPROVED: _____ DIRECTOR OF PLANNING AND LAND USE DATE: _____ GRADING PERMIT NUMBER: _____

PRELIMINARY

FILE NAME: C:\USERS\ORZODO\BENTON\SOITEC\SOLAR PROJECTS\WATERSTONE\GRADING AND DRAINAGE\DRAWINGS\WORKING\GRADING\020\_Grading\_Revised.dwg PLOT DATE: 12/30/14 2:32:19 PM LAST SAVED BY: ORZODO

# PRELIMINARY GRADING PLAN

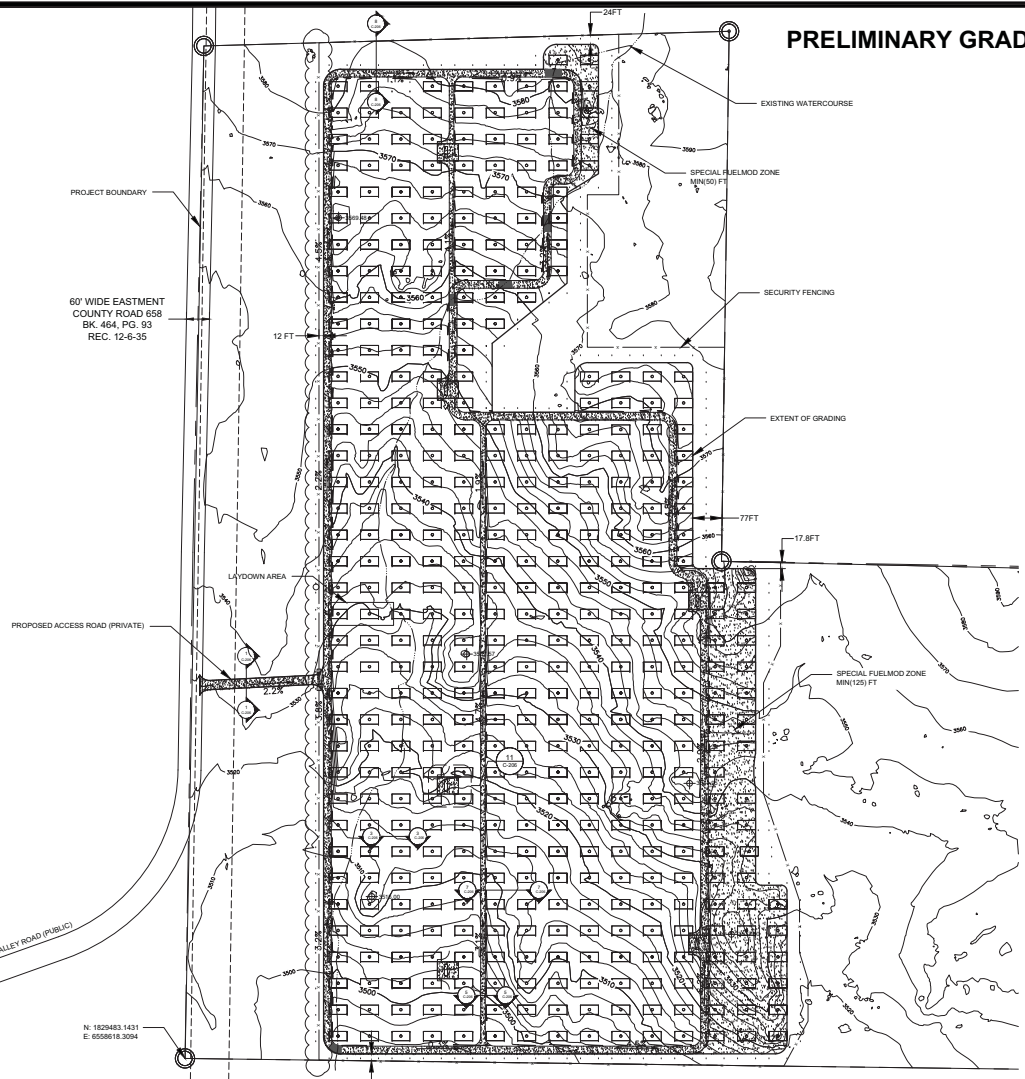
## VICINITY MAP



## GRADING LEGEND

- SECURITY FENCING: — X — X —
- EXISTING WATERCOURSE: ————
- EXISTING CONTOUR: ———— 275
- PROPOSED CONTOUR: ———— 275
- EXTENT OF GRADING: ————
- GATE: — [ ] —
- SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS: [ ]

WATERSTONE EARTHWORK	
BASE SURFACE	EXISTING GROUND
COMPARISON SURFACE	FUTURE GROUND
AREA SQ. FT.	17,787.00
AREA SQ. YDS.	127.00
CUR. CU. YD.	5819
FILL CU. YD.	5819
CUT CU. YD.	0



MATCHLINE SEE SHEET C-204

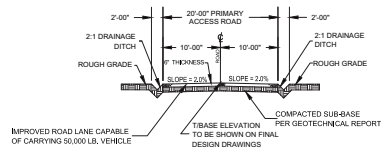
1-78

<b>CLIENT</b>  Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92137-9178	<b>PROPERTY OWNER INFORMATION</b> NAME: Waterstone Support Foundation Inc. John Gibson ADDRESS: 2925 Professional Pl #200 Colorado Springs, CA 80904 TELEPHONE NUMBER: (619) 440-7424 (24-HOUR CONTACT NUMBERS) SITE A.P.N. NUMBER: 611-110-01 ADJACENT A.P.N. NUMBERS: 611-110-04, 611-110-06, 611-110-02	<b>GRADING ON ADJACENT PARCELS</b> LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED. APN(S):  <b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____	<b>DISTURBED AREA CALCS</b> PAD + SLOPES: 214,904 SF DRIVEWAY: 8,370 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: 2,564,705 SF TOTAL: 2,787,979 SF IF > 1 AC, PROVIDE WIDTH: _____	<b>PLAN CHECK/PERMITS</b> BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____  <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. Savas E. Kotarkaya DATE: _____ RCE NO.: C 43828 EXPIRES: 12/31/14 TELEPHONE NUMBER: (610) 260-6544	<b>PRIVATE CONTRACT</b> COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY GRADING PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER: C-205 REV: 3 SHEET: 6 OF SHEETS: 7 APPROVED: _____ DIRECTOR OF PLANNING AND LAND USE GRADING PERMIT NUMBER: _____ DT: _____ DATE: _____

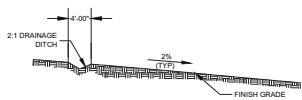
PRELIMINARY

FILE NAME: C:\USERS\ORCOZCOG\SOITEC\SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\WORKING DETAIL DRAWINGS\C-206\_DETAILS\_RUGGED\_REV0.DWG PLOT DATE: 9/10/2014 3:28:23 PM LAST SAVED BY: ORCOZCOG

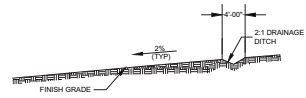
## DETAILS



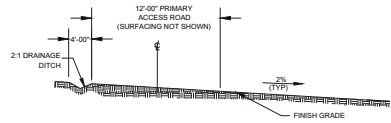
**1 TYPICAL CROSS SECTION**  
PRIMARY ACCESS ROAD NTS



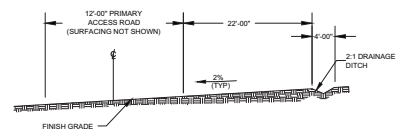
**2 TYPICAL CROSS SECTION**  
NTS



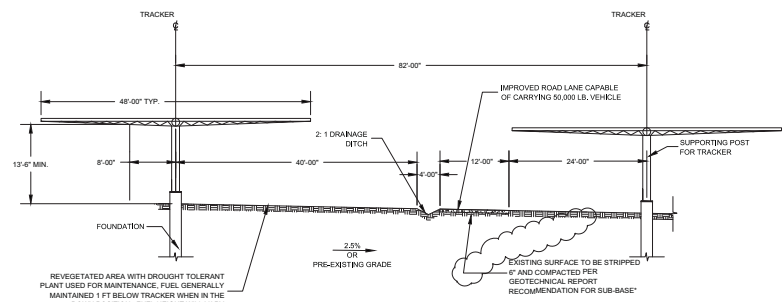
**3 TYPICAL CROSS SECTION**  
NTS



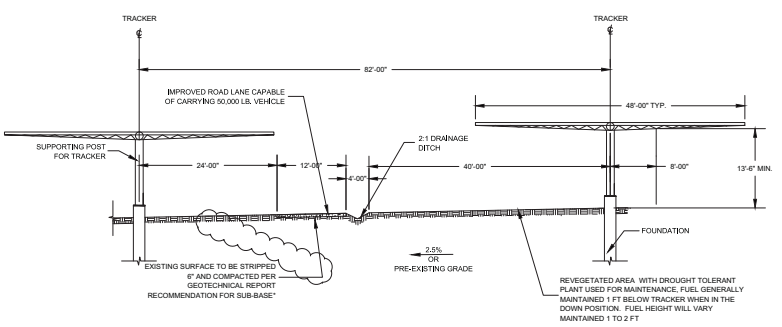
**4 TYPICAL CROSS SECTION**  
SECONDARY ACCESS ROAD NTS



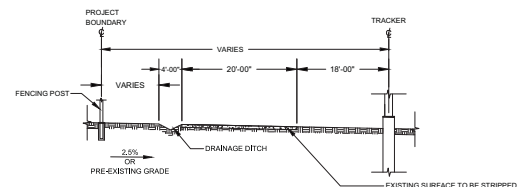
**5 TYPICAL CROSS SECTION**  
SECONDARY ACCESS ROAD NTS



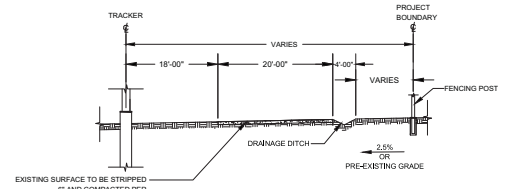
**6 TYPICAL CROSS SECTION**  
EMERGENCY VEHICLE ACCESS NTS



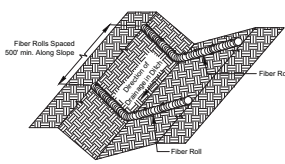
**7 TYPICAL CROSS SECTION**  
EMERGENCY VEHICLE ACCESS NTS



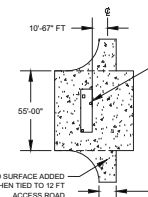
**8 TYPICAL CROSS SECTION**  
NTS



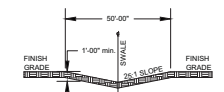
**9 TYPICAL CROSS SECTION**  
NTS



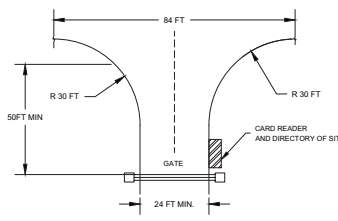
**10 DETAIL - FIBER ROLL**  
NTS



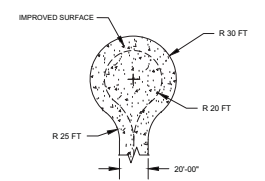
**11 DETAIL - DECOMPOSED GRANITE PAD**  
NTS



**12 DETAIL - SWALE**  
NTS



**13 DETAIL - DRIVEWAY ENTRANCE**  
NTS



**14 DETAIL - TURNAROUND**  
NTS

**CLIENT**

**Soitec**  
Soitec Solar Development, LLC  
4250 Executive Square, Suite 770  
San Diego, CA 92130-9178

**AECOM**  
AECOM TECHNICAL SERVICES, INC  
440 Stevens Avenue, Suite 250  
Solana Beach, CA 98075  
858.947.7144 tel 858.947.7145 fax  
www.aecom.com

**PROPERTY OWNER INFORMATION**

NAME: SEE SHEETS C-202 THROUGH C-205

ADDRESS: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_  
(24 HOUR CONTACT NUMBER)

SITE A.P.N. NUMBER: \_\_\_\_\_

ADJACENT A.P.N. NUMBERS: \_\_\_\_\_

**GRADING ON ADJACENT PARCELS**

LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED.

APN(S): \_\_\_\_\_

**PROPERTY OWNER CERTIFICATION**

(I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES.)

OWNER'S SIGNATURE (REQUIRED): \_\_\_\_\_ DATE: \_\_\_\_\_

**DISTURBED AREA CALCS**

PAD + SLOPES: \_\_\_\_\_ SF

DRIVEWAY: \_\_\_\_\_ SF

PRIMARY SEPTIC: \_\_\_\_\_ SF

FIRE CLEARING: \_\_\_\_\_ SF

TOTAL: \_\_\_\_\_ SF

IF > 1 AC, PROVIDE VOID# : \_\_\_\_\_

**PLAN CHECK/PERMITS**

BUILDING PERMIT \_\_\_\_\_

PLAN CHECK NUMBER: \_\_\_\_\_

PARCEL MAP NUMBER: \_\_\_\_\_

**ENGINEER OF WORK**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.

NAME: Savas E. Kolarikaya DATE: \_\_\_\_\_

RCE NO: C-43628 EXPIRES: 12/31/14

**PRIVATE CONTRACT**

COUNTY OF SAN DIEGO  
DEPARTMENT OF PLANNING AND LAND USE

PRELIMINARY GRADING PLAN FOR:  
80 MW SOLAR SYSTEM  
RUGGED SOLAR LLC

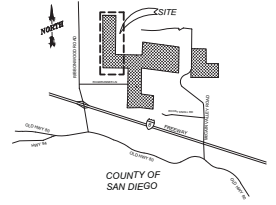
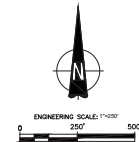
SHEET NUMBER: C-206 REV: 2 SHEET: 7 OF SHEETS: 7

APPROVED DIRECTOR OF PLANNING AND LAND USE \_\_\_\_\_ GRADING PERMIT NUMBER: \_\_\_\_\_

DATE: \_\_\_\_\_ DATE: \_\_\_\_\_

# PRELIMINARY DRAINAGE AND BMP PLAN

## VICINITY MAP



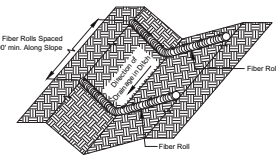
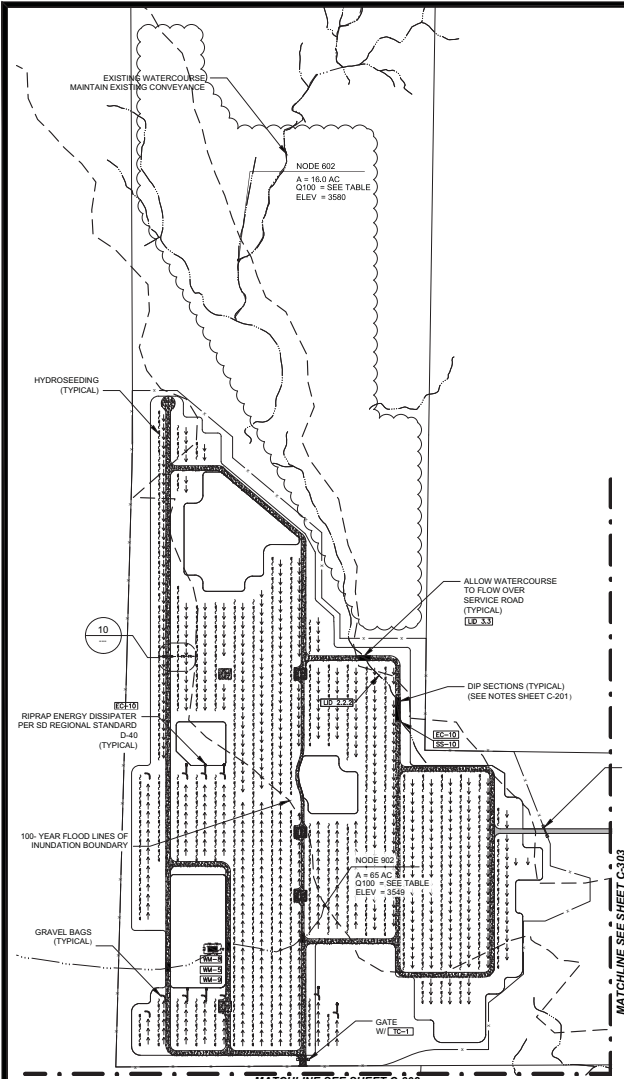
- LEGEND**
- PROPERTY LINE AND SECURITY FENCING
  - EXISTING WATERCOURSE
  - LINE OF INUNDATION BOUNDARY
  - SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS
  - GATE

- BMP LEGEND**
- DIRECTION OF LOT DRAINAGE
- MATERIALS & WASTE MANAGEMENT CONTROL BMPs**
- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
  - WM-9 SOLID WASTE MANAGEMENT
  - WM-9 SANITARY WASTE MANAGEMENT

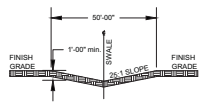
- TEMPORARY RUNOFF CONTROL BMPs**
- SS-4 HYDROSEEDING (SUMMER)
  - SS-10 ENERGY DISSIPATOR
  - SC-1 SILT FENCE
  - SC-5 FIBER ROLLS
  - SC-6 / SC-8 GRAVEL OR SAND BAGS
  - TC-1 STABILIZED CONSTRUCTION ENTRANCE

- PERMANENT BMPs**
- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
  - EC-10 OUTLET PROTECTION

- LOW IMPACT DEVELOPMENT BMPs**
- LD 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
  - LD 2.2.3 MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
  - LD 2.2.4 MINIMIZE SOIL COMPACTION
  - LD 3.3 ROAD DESIGN FOR DEVELOPMENTS



**10 | DETAIL - FIBER ROLL**  
NTS



**12 | DETAIL - SWALE**  
TYPICAL FOR MAINTAINING EXISTING WATERCOURSE  
NTS

Watercourse No.	Proposed Road Crossings of Existing Watercourses		Flow Depth	Flooded Width
	Dip Crossing Down Stream Node.	100-year Design Flow Rate		
200	204	444	1.37	47.4
600	602	96	0.61	32.2
900	902	70	0.51	30.2
1300	1303	44	0.39	27.80
1309	1309	44	0.39	27.80
1400	1402	15	0.21	24.20
1402	1402	15	0.21	24.20
1500	1502	73	0.51	30.20
1502	1502	73	0.51	30.20
1800	1803	71	0.51	30.20
1803	1803	71	0.51	30.20
1803	1803	71	0.51	30.20
1803	1803	71	0.51	30.20
1900	1902	122	0.69	33.8
1902	1902	122	0.69	33.80
2000	2004	374	1.25	45.00
2004	2004	374	1.25	45.00
2004	374	1.25	45.00	
2004	374	1.25	45.00	

\*Assume a 30% road slope down into the crossing.

FILE NAME: C:\USERS\BROCK\BENTON\PROJECTS\SOLAR\PROJECTS\BMP\DRAINAGE\DRAWING\DRN\DRN\BMP\_PLAN\_DRAWING\_RUGGED.DWG LAST SAVED BY: OROZCOG FILE DATE: 12/20/2014 4:02:07 PM

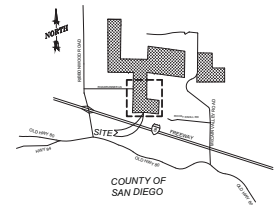
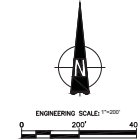
1 - 80

PRELIMINARY

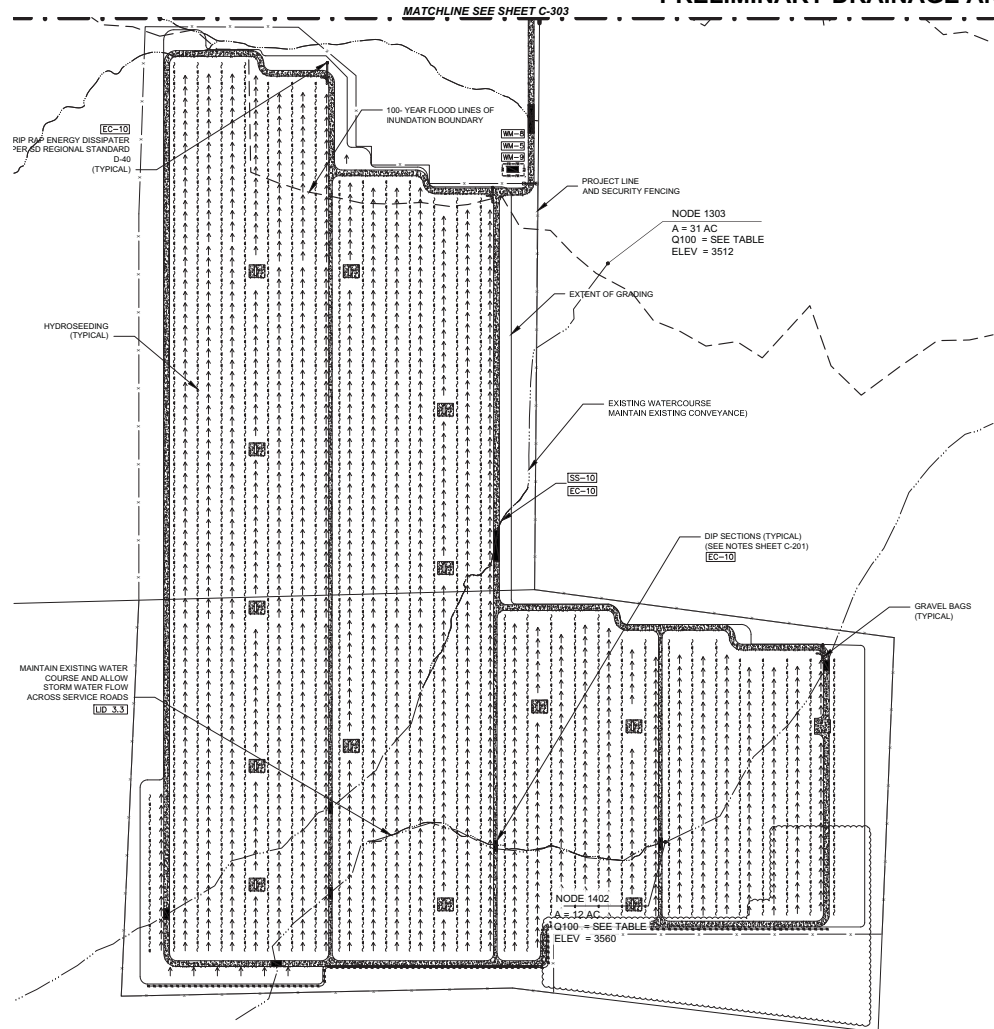
<b>CLIENT</b>  Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92130-6175	<b>PROPERTY OWNER INFORMATION</b> NAME: Vista Oaks Business Park, John Gibson ADDRESS: 1000 Pioneer Way, El Cajon, CA 92020 TELEPHONE NUMBER: (619) 440-7424 (24-HOUR CONTACT NUMBER) 611-090-04, 611-091-03, 611-090-02, 611-090-04 SITE A.P.N. NUMBER: 611-090-04, 611-090-18, 611-090-07 ADJACENT A.P.N. NUMBER: 611-090-14, 611-090-11, 611-091-17, 611-060-03, 611-060-04, 611-060-05, 611-090-19, 611-090-20, 611-090-20	<b>GRADING ON ADJACENT PARCELS</b> LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED: APN(S): <b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____	<b>DISTURBED AREA CALCS</b> PAD + SLOPES: 3,390,942 SF DRIVEWAY: 1,425 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: _____ SF TOTAL: 3,177,251 SF IF > 1 AC, PROVIDE VOID# : _____	<b>PLAN CHECK/PERMITS</b> BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____ <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. NAME: Savas E. Kolarikaya DATE: _____ RCE NO: C 43628 EXPIRES: 12/31/14 TELEPHONE NUMBER: J5101260-6544	<b>PRIVATE CONTRACT</b> COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY DRAINAGE PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER C-301 REV. 3 SHEET 1 OF SHEETS 4 APPROVED DIRECTOR OF PLANNING AND LAND USE GRADING PERMIT NUMBER: _____ DATE: _____

# PRELIMINARY DRAINAGE AND BMP PLAN

## VICINITY MAP



- LEGEND**
- PROPERTY LINE AND SECURITY FENCING
  - EXISTING WATERCOURSE
  - LINE OF INUNDATION BOUNDARY
  - SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS
  - GATE
- BMP LEGEND**
- DIRECTION OF LOT DRAINAGE
- MATERIALS & WASTE MANAGEMENT CONTROL BMPs**
- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
  - WM-9 SOLID WASTE MANAGEMENT
  - WM-9 SANITARY WASTE MANAGEMENT
- TEMPORARY RUNOFF CONTROL BMPs**
- SS-4 HYDROSEEDING (SUMMER)
  - SS-10 ENERGY DISSIPATOR
  - SC-1 SILT FENCE
  - SC-5 FIBER ROLLS
  - SC-6 / SC-8 GRAVEL OR SAND BAGS
  - TC-1 STABILIZED CONSTRUCTION ENTRANCE
- PERMANENT BMPs**
- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
  - EC-10 OUTLET PROTECTION
- LOW IMPACT DEVELOPMENT BMPs**
- LID 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
  - LID 2.2.3 MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
  - LID 2.2.4 MINIMIZE SOIL COMPACTION
  - LID 3.3 ROAD DESIGN FOR DEVELOPMENTS



MATCHLINE SEE SHEET C-303

FILE NAME: C:\USERS\RODOLFO\SOITEC\SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\DRAWINGS\WORKING DRAWINGS\CAD\C-301-01-DRAINAGE\_RUGGED.DWG LAST SAVED BY: OROZCOG PL OT DATE: 12/20/2014 4:01:38 PM

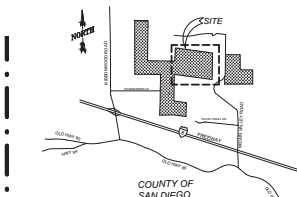
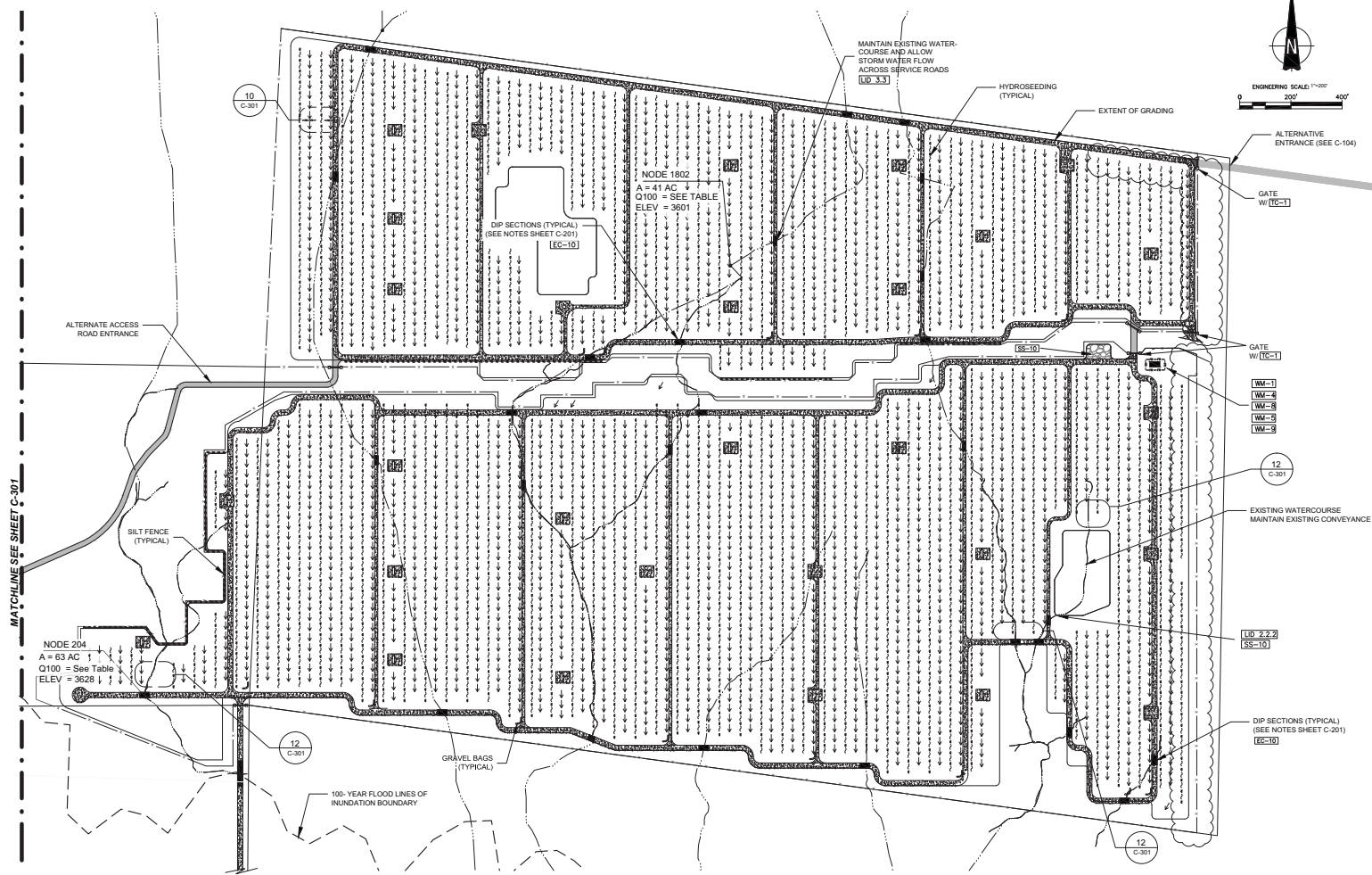
1 - 81

PRELIMINARY

<b>CLIENT</b>  Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92107-9175	<b>AECOM</b> AECOM TECHNICAL SERVICES, INC 440 Stevens Avenue, Suite 250 Solana Beach, CA 98075 858.947.7144 tel 858.947.7145 fax www.aecom.com	<b>PROPERTY OWNER INFORMATION</b> NAME: Frankie Thibodeau ADDRESS: 39990 Roadrunner Ln, Boulevard, CA 91905 TELEPHONE NUMBER: (619) 786-9105 (24 HOUR CONTACT NUMBER) SITE A.P.N. NUMBER: 611-091-07, 612-030-19, 612-030-01 ADJACENT A.P.N. NUMBER: 611-091-07, 612-030-02, 612-030-21 612-030-13, 611-100-006, 611-091-03, 611-091-02	<b>GRADING ON ADJACENT PARCELS</b> LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED: APN(s): <b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____	<b>DISTURBED AREA CALCs</b> PAD + SLOPES: 3,817.751 SF DRIVEWAY: 2,562 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: _____ SF TOTAL: 5,796.179 SF IF > 1 AC, PROVIDE VDDIF: _____	<b>PLAN CHECK/PERMITS</b> BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____ <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. NAME: Savas E. Kotankaya DATE: _____ RCE NO.: C 43628 EXPIRES: 12/31/14 TELEPHONE NUMBER: 619.260.6544	<b>PRIVATE CONTRACT</b> COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY DRAINAGE PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER: C-302 REV: 3 SHEET: 2 OF SHEETS: 4 APPROVED DIRECTOR OF PLANNING AND LAND USE: _____ GRADING PERMIT NUMBER: _____ DT: _____ DATE: _____
		MATCHLINE SEE SHEET C-304				

# PRELIMINARY DRAINAGE AND BMP PLAN

## VICINITY MAP



- LEGEND**
- SECURITY FENCING — X — X — X —
  - EXISTING WATERCOURSE ———
  - LINE OF INUNDATION BOUNDARY - - - - -
  - SURFACING FOR PRIMARY AND SECONDARY ACCESS ROADS [Hatched pattern]
  - GATE: [Symbol]
- BMP LEGEND**
- DIRECTION OF LOT DRAINAGE → → →
- MATERIALS & WASTE MANAGEMENT CONTROL BMPs**
- WM-8 PORTABLE CONCRETE WASTE MANAGEMENT
  - WM-9 SOLID WASTE MANAGEMENT
  - WM-9 SANITARY WASTE MANAGEMENT
- TEMPORARY RUNOFF CONTROL BMPs**
- SS-4 HYDROSEEDING (SUMMER) [Symbol]
  - SS-10 ENERGY DISSIPATOR [Symbol]
  - SC-1 SILT FENCE [Symbol]
  - SC-5 FIBER ROLLS — FR — FR —
  - SC-6 / SC-8 GRAVEL OR SAND BAGS [Symbol]
  - TC-1 STABILIZED CONSTRUCTION ENTRANCE [Symbol]
- PERMANENT BMPs**
- SD-10 PROTECTION OF CHANNEL BANKS / MANUFACTURED SLOPES AND FLAT PAD AREA COVERAGE
  - EC-10 OUTLET PROTECTION [Symbol]
- LOW IMPACT DEVELOPMENT BMPs**
- LD 2.2.2 MINIMIZE DISTURBANCES TO NATURAL DRAINAGES
  - LD 2.2.3 MINIMIZE AND DISCONNECT IMPERVIOUS SURFACE
  - LD 2.2.4 MINIMIZE SOIL COMPACTION
  - LD 3.3 ROAD DESIGN FOR DEVELOPMENTS

MATCHLINE SEE SHEET C-301

MATCHLINE SEE SHEET C-304

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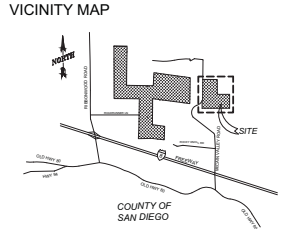
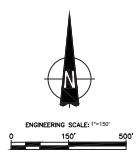
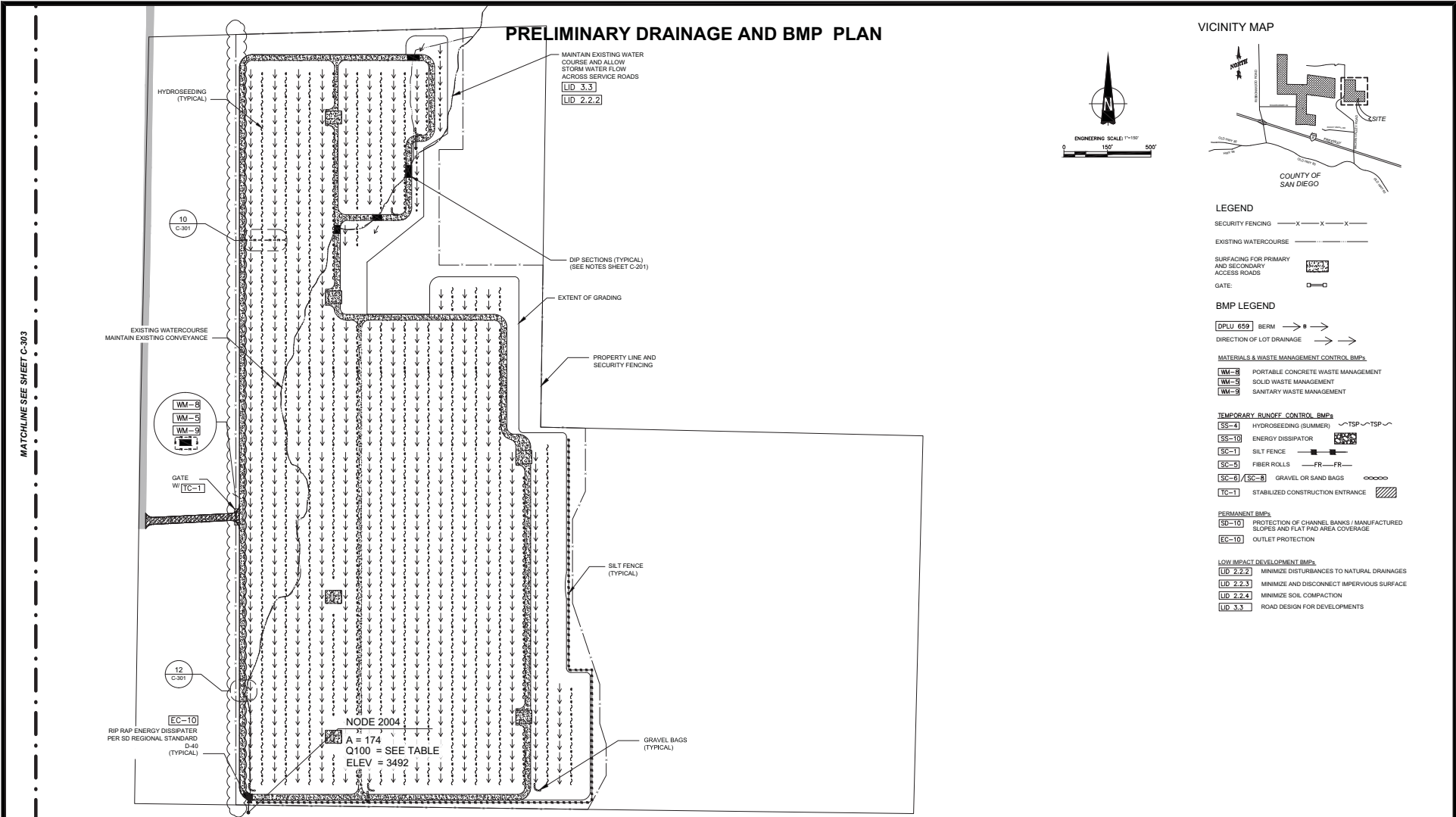
<p><b>CLIENT</b></p> <p>Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92130-9178</p>	<p><b>PROPERTY OWNER INFORMATION</b></p> <p>NAME: Harmony Grove Partners John Gibson ADDRESS: 1000 Pioneer Way El Cajon, CA 92020 TELEPHONE NUMBER: (619) 440-7424 SITE A.P.N. NUMBER: 611-100-07 ADJACENT A.P.N. NUMBER: 611-100-06, 611-091-03, 611-070-03, 611-070-01, 611-060-03, 611-090-03, 611-090-04</p>	<p><b>GRADING ON ADJACENT PARCELS</b></p> <p>LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED: APN(S): <b>PROPERTY OWNER CERTIFICATION</b> I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES. OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____</p>	<p><b>DISTURBED AREA CALCS</b></p> <p>PAD + SLOPES: 837,935 SF DRIVEWAY: 4,056 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: _____ SF TOTAL: 9,568,780 SF IF &gt; 1 AC, PROVIDE VOID# : _____</p>	<p><b>PLAN CHECK/PERMITS</b></p> <p>BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____ <b>ENGINEER OF WORK</b> I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT. NAME: Savas E. Kolankaya DATE: _____ RCE NO.: C 43628 EXPIRES: 12/31/14 TELEPHONE NUMBER: J5101260-6544</p>	<p><b>PRIVATE CONTRACT</b></p> <p>COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE PRELIMINARY DRAINAGE PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC SHEET NUMBER C-303 REV. 3 SHEET 3 OF SHEETS 4 APPROVED DIRECTOR OF PLANNING AND LAND USE: _____ GRADING PERMIT NUMBER: _____ DATE: _____ DATE: _____</p>
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FILE NAME: C:\USERS\ORCZ\BENTON\SOITEC\SOLAR PROJECTS\RUGGED SOLAR PROJECTS\BMP\GRADING AND DRAINAGE\DRAWINGS\WORKING DRAWINGS\CAD\C-301.LC-301.DRN NAME: RUGGED DWG LAST SAVED BY: ORCZC003 FLT OF DATE: 12/20/14 4:03:29 PM

PRELIMINARY



FILE NAME: C:\USERS\OROX\WORKING\SOITEC\SOLAR PROJECTS\RUGGED\GRADING AND DRAINAGE\DRAWINGS\WORKING\DRAWING\CAD\C301\C301\_DRAINAGE\_RUGGED.DWG LAST SAVED BY: OROXCOO FL: 07 DATE: 12/20/14 4:42:22 PM



1 - 83

<p><b>Soitec</b> Soitec Solar Development, LLC 4250 Executive Square, Suite 770 San Diego, CA 92107-6175</p>	<p><b>AECOM</b> AECOM TECHNICAL SERVICES, INC 440 Stevens Avenue, Suite 250 Solana Beach, CA 98075 858.947.7144 tel 858.947.7145 fax www.aecom.com</p>	<p><b>PROPERTY OWNER INFORMATION</b></p> <p>NAME: Waterstone Support Foundation Inc. John Gibson ADDRESS: 2925 Professional Pl #200 Colorado Springs, CA 80904 TELEPHONE NUMBER: (619) 440-7424 (24-HOUR CONTACT NUMBER) SITE A.P.N. NUMBER: 611-110-01 ADJACENT A.P.N. NUMBER: 611-110-04.611-100-06.611-110-02</p>	<p><b>GRADING ON ADJACENT PARCELS</b></p> <p>LIST ANY ADJACENT PARCELS UNDER THE SAME OWNERSHIP AS THIS PARCEL FOR WHICH A GRADING PLAN HAS BEEN SUBMITTED OR A GRADING PERMIT ISSUED:</p> <p>APN(s):</p> <p><b>PROPERTY OWNER CERTIFICATION</b></p> <p>I CERTIFY THAT I HAVE READ AND UNDERSTAND THE STORMWATER MANAGEMENT NOTES AND THE GRADING NOTES:</p> <p>OWNER'S SIGNATURE (REQUIRED): _____ DATE: _____</p>	<p><b>DISTURBED AREA CALCS</b></p> <p>PAD + SLOPES: 214,904 SF DRIVEWAY: 8,370 SF PRIMARY SEPTIC: _____ SF FIRE CLEARING: _____ SF TOTAL: 2,787,979 SF IF &gt; 1 AC, PROVIDE WDO# : _____</p>	<p><b>PLAN CHECK/PERMITS</b></p> <p>BUILDING PERMIT PLAN CHECK NUMBER: _____ PARCEL MAP NUMBER: _____</p> <p><b>ENGINEER OF WORK</b></p> <p>I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT.</p> <p>NAME: Savas E. Kolankaya DATE: _____ RCE NO.: C 43628 EXPIRES: 12/31/14 TELEPHONE NUMBER: J51012604544</p>	<p><b>PRIVATE CONTRACT</b></p> <p>COUNTY OF SAN DIEGO DEPARTMENT OF PLANNING AND LAND USE</p> <p>PRELIMINARY DRAINAGE PLAN FOR: 80 MW SOLAR SYSTEM RUGGED SOLAR LLC</p> <p>SHEET NUMBER: C-304 REV: 3 SHEET: 4 OF SHEETS: 4</p> <p>APPROVED DIRECTOR OF PLANNING AND LAND USE: _____ DATE: _____ GRADING PERMIT NUMBER: _____</p>
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PRELIMINARY